Approved For Release 2005/02/17 : CIA-RDP78B04770A001200030025-0

MPIC/Pabs/320-65 15 September 1965

MEMORANDUM FOR:	Chief, Imagery Analysis Division/CIA	
SUBJECT:	Measuring Eyepiece and Coniometer for the High Power Stereoviewer	25X1
REFERENCE:	IAD Memo 78/65 dated 27 July 1965	
l. This is taken in respons	to inform you that the following action has been e to your memorandum:	
a. A	prototype eyepiece has been obtained from closely approximates the optical characteristics	25X1
Madroscope. in PAG and will be pro-	r Eyepiece used on the Dual Power Measuring This eyepiece is currently undergoing evaluation IAD. If it proves satisfactory additional units tured as an interim solution to your problem of this staff will handle any requests for information and/or procurement of this item.	25X1
both a genie sated for la with the	an answer to the long range problem, an R&D project tablished, with as monitor, to develop matter and a filar eyepiece that have been compentatoral color and, as a consequence, are compatable Fluorator objective lenses currently utilized power stereoviewers.	25X1
wish to make our danger in their a variable; therefore of different size a consequence, the represent different setting a danger the zoom element the filer calibration.	reservations as to the use of these eyepieces and position clear by pointing out the fundamental use in a zoom system. A zoom element is continuously are each discrete zoom setting presents an image at the measuring plane of the filar scale. As as filar graduations, which remain constant, and scale increments for every possible zoom prous situation. If these syspieces are used, should be set at the top (or bottom) of its range, ted against a known physical scale and scale factor subsequent change of the objective lens turret	

**NGA Review Complete** 

determination.

25X1

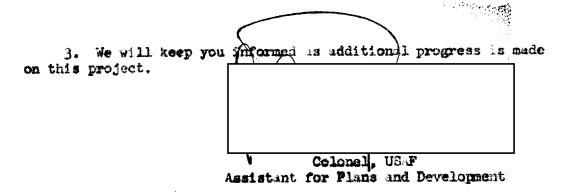
25X1

25X1

25X1

er seem setting will require a new calibration and scale factor

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25X1

Distribution:

Orig & 1 - Addressee

1 - Asst for PA

1 - P&DS Chrono

2 - DB/P&DS

NPIC/P&DS: (16 Sep 65)

25X1

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TITLE OR SUBJECT OF SUGGESTION  Masuring Attachment for the High Power Stereoviewer (Dynazoom)	CLASSIFICATION  CONFIDENTIAL	SUGGESTION NO.
PRESENT METHOD		
There is no present method for measuring utilizing portable equipment available to thi	g stereoscopically on is Division.	photography
1 SUGGEST		
equipped with a reticle graduated in .001 for a knob graduated to .00001 foot. The second without a reticle. Since this equipment would be compatible with the Zoom-70 step the photo interpretation area of the intelling A piece of equipment which meets these provided with the stereo Microscopes, by the are not compatible with the equipment A relatively simple modification of the eyep make them compatible if the items are available.	eyepiece should be mailed fit the standard cree microscope in community as well optical and mechanical out these units are not due to eyepiece tube siece shanks on these	exercised optically but exercised optically but exercised eyepiece tube, it mon use throughout ll as with the Dynazoom. l requirements is longer in production, exercised exercises would
ADVANTAGES		
This suggested application will save ti of equipment at high magnifications. It will of the vastly improved optics of the Dynazoo detailed reporting.	ll provide greater versom, and is particularly	y desireable for
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